

Aero-Mod
Treatment Process
Support Documentation

G-4: Plant Information Sheets for Previous
Installations



AEROMOD
Wastewater Process Solutions

Plant Info Sheet

for

Aztec, NM

* Plant placed into service in Fall of 2009.

* SEQUOX-Plus Process with Bio-P removal.

* DO₂ptimizer™ PLC-based D.O. Control

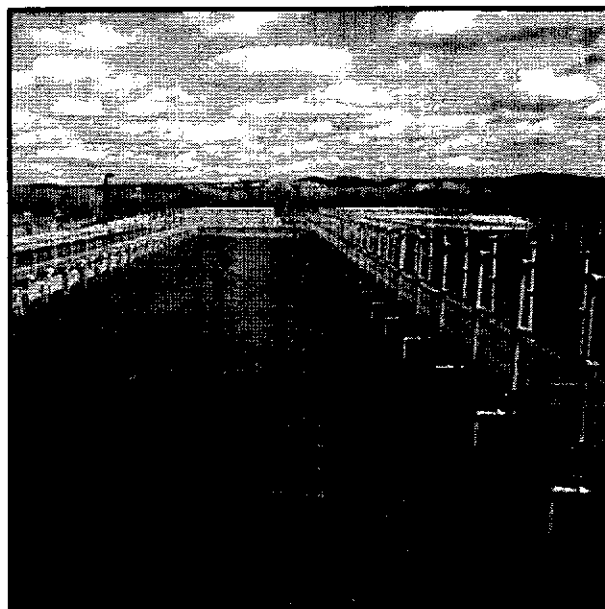
* Total N limit is 3.0 mg/L.

* Plant has tertiary filtration.

* Tankage is 18' deep.

* Contact Person - Arlene Coen

* Contact Phone - 505-334-7614



DO₂ptimizer

	INFLUENT						PROCESS	
	Flow, MGD	Flow, MGD	SS, mg/L	NH ₄ -N, mg/L	DO, mg/L	Flow, MGD	MLSS, mg/L	WWT, %
Design	1.50	5,004	5,004	751	0	100		
Overall Monthly Avg.								
Current 12 Mo. Avg.								
Min								
Max								
% Loading								
	EFFLUENT							
	Flow, MGD	Flow, MGD	SS, mg/L	NH ₄ -N, mg/L	DO, mg/L	Flow, MGD	MLSS, mg/L	WWT, %
Overall Monthly Avg.	6.9	11.2	0.20	1.91	0.46		2.37	2.97
Current 12 Mo. Avg.	5.6	11.7	0.34	1.92	0.70		2.61	2.65
Min	2.5	10.0	0.02	1.40	0.01		1.41	1.45
Max	14.0	18.0	1.39	3.10	1.60		4.70	5.30



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Plant Info Sheet

for

Enterprise, OR

905 Golf Course Rd
Enterprise, OR 97828

* Plant placed into service in Fall of 2009.

* SEQUOX-Plus Process

* DO₂ptimizer™ PLC-based D.O. Control
(added in April 2011)

* There is currently no NOx or TN limit.

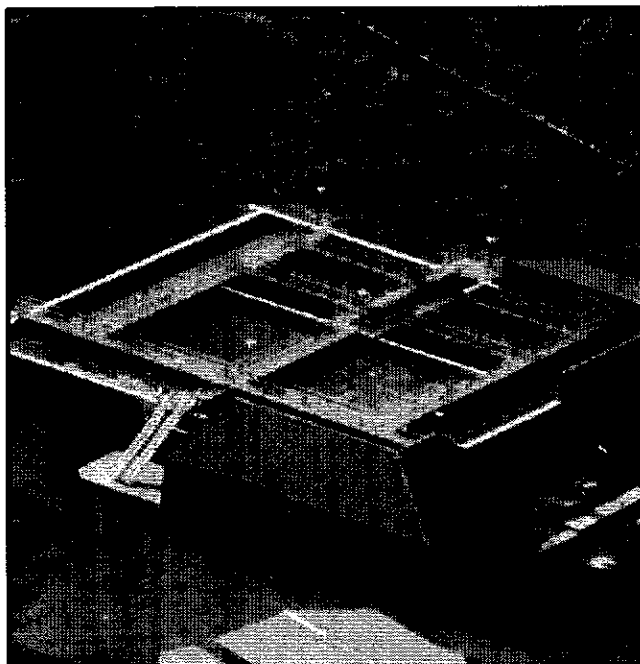
* There is currently no Phos-P limit.

* Plant does not have tertiary filtration.

* Tankage is 16' deep.

* Contact Person - Dave Wilkie

* Contact Phone - 541-426-3093 (office)



DOptimizer

	INFLUENT						PROCESS	
	Type: Municipal							
	BOD ₅ mg/l	TSS mg/l	TKN mg/l	Ammonia mg/l	NO ₃ -N mg/l	Phosphate mg/l	DO mg/l	Water
Design	0.70	815	728	198	233	0	2,510	7
Overall Monthly Avg.	0.285	394	518	28	57			
Current 12 Mo. Avg.	0.233	265	345	24	40			
Min	0.150	143	166	14	23			
Max	0.540	1,038	1,198	50	228			
% Loading	33%	32%	47%	12%	17%			
	EFFLUENT						Discharge: Stream	
	BOD ₅ mg/l	TSS mg/l	TKN mg/l	Ammonia mg/l	NO ₃ -N mg/l	Phosphate mg/l	DO mg/l	Water
Overall Monthly Avg.	2.1	2.3	0.91	1.84	1.36	1.66	3.20	
Current 12 Mo. Avg.	1.2	1.3	0.10	0.83	0.68	0.70	1.51	
Min	1.0	1.0	0.09	0.22	0.36	0.41	1.07	
Max	3.9	3.6	2.34	6.54	3.09	5.09	8.25	

Note: An entry of ND is recorded as 0 mg/l.



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Plant Info Sheet

for

Kingsley, MI
6432 Summit City Rd
Kingsley, MI 49649

* Plant placed into service in Summer of 2005.

* SEQUOX-Plus Process
(changed to SEQUOX-Plus in March 2006)

* PLC-based D.O. Control

* Chemical Add. for Phos-P Removal

* TIN limit is 5 mg/l.

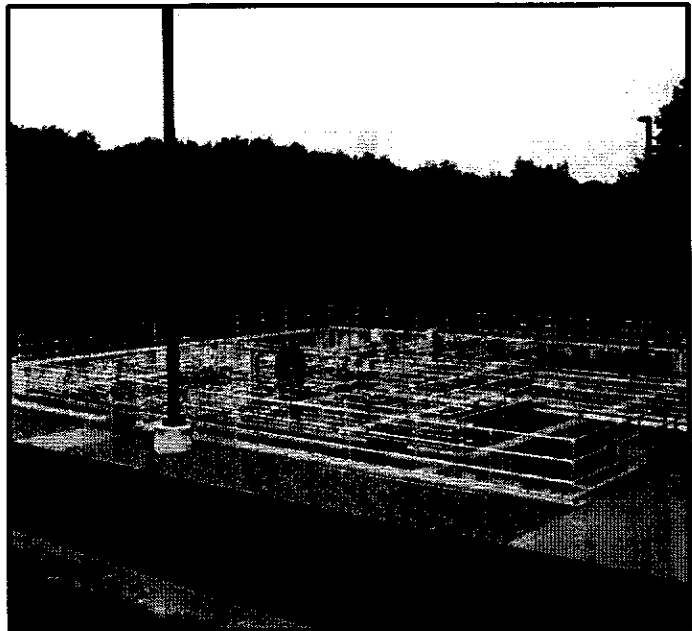
* Phos-P limit is 1.0 mg/l, as measured
at inspections wells around drip field.

* Plant does not have tertiary filtration.

* Tankage is 19' deep.

* Contact Person - Mark Fowler

* Contact Phone - 231-947-7400 (office)



	INFLUENT						PROCESS	
	Type: Municipal							
Design	0.20	400	400	50		12	3,765	
Overall Monthly Avg.	0.094						3,274	13
Current 12 Mo. Avg.	0.095						3,490	15
Min	0.088						2,070	7
Max	0.103						5,493	21
% Loading	48%							
	EFFLUENT						Discharge: Groundwater	
Overall Monthly Avg.			0.81		1.02	1.83		2.05
Current 12 Mo. Avg.			0.19		1.51	1.70		2.80
Min			0.13		0.04	0.17		0.27
Max			2.56		2.31	4.77		4.16